

Storm Data and Unusual Weather Phenomena - March 2007

<u>Location</u>	<u>Date/Time</u>	<u>Deaths & Injuries</u>	<u>Property & Crop Dmg</u>	<u>Event Type and Details</u>
-----------------	------------------	----------------------------------	------------------------------------	-------------------------------

TEXAS, South Panhandle

HALL COUNTY

1.0 W ESTELLINE	03/10/07 20:15 CST	0	0.25M	Thunderstorm Wind (EG 78 kt)
ESTELLINE	03/10/07 20:20 CST	4	0	34.55N, 100.448W ~ 34.55N, 100.43W

A large damage swath began one mile west of Estelline just north of Texas Highway 86, where a center pivot irrigation system was destroyed. An 18-wheeler tractor-trailer was additionally overturned on the south side of the highway.

The damage extended eastward into the west side of Estillene. A mobile home was rolled toward the east, with part of the structure suspended in a tree and the remainder rested on top of two vehicles. A family of four all sustained minor injuries as the trailer was destroyed by the winds. Other light weight metal sheds and travel trailers also were damaged as the severe winds spread eastward then northeastward across the city.

HALL COUNTY

ESTELLINE	03/10/07 20:17 CST	0	25K	Tornado (F1, L: 0.25 mi , W: 100 yd)
	03/10/07 20:18 CST	0	0	34.55N, 100.43W

A National Weather Service damage survey and witnesses indicated that a brief tornado developed near the center of Estelline. Tornadic winds estimated near 90 mph, along with a rapid onset of intense westerly winds associated with the ongoing downburst, resulted in the total collapse of two brick buildings. These structures were aged and abandoned businesses. Residents that were in the downtown area at the time of the storm reported intense easterly wind gusts that blew in doors and windows. Strong easterly inflow was additionally evidenced by the destruction of a trailer house just east of the town's center.

CHILDRESS COUNTY

2.0 NNE CHILDRESS	03/11/07 00:00 CST	0	0	Thunderstorm Wind (MG 50 kt)
	03/11/07 00:00 CST	0	0	34.4467N, 100.187W

A severe thunderstorm wind gust was recorded by the Texas Tech University West Texas Mesonet site near Childress. No damage was reported.

A complex of high-based severe thunderstorms, some with supercell characteristics, propagated southeastward over the southern Texas Panhandle during the evening hours of the 10th. Between 20:15 and 20:20 CST, an intense downburst impacted Estelline in southeastern Hall County.

Damage was extensive, and four persons were injured when their mobile home was destroyed. A National Weather Service damage survey found evidence of a brief non-mesocyclonic tornado that developed as low level "spin" associated with the downburst gust front was stretched by strong updrafts.

Damages in Estelline were estimated to approach \$275,000 and none of the injuries were life-threatening.

A severe storm additionally resulted in severe wind gusts near Childress around midnight CST.

LUBBOCK COUNTY

5.0 W LUBBOCK	03/12/07 12:57 CST	0	0.12M	Flash Flood (due to Heavy Rain)
LUBBOCK	03/12/07 15:00 CST	0	0	33.58N, 101.937W ~ 33.58N, 101.85W

Flash flooding was widespread in the western and northwestern portions of Lubbock. Flowing flood waters ran down a number of city streets including: Frankford Avenue, Quaker Avenue, 4th Street, 18th Street, 66th Street, and Spur 327.

The Lubbock Police Department reported that twenty-one vehicles were disabled in the flood waters. At least thirteen accidents were attributed to the weather. No major injuries were reported, but a few motorists were assisted in evacuating their flooded vehicles. Property damages were estimated to total \$120,000 in the city.

HOCKLEY COUNTY

LEVELLAND	03/12/07 14:00 CST	0	0	Flash Flood (due to Heavy Rain)
4.0 N LEVELLAND	03/12/07 16:00 CST	0	0	33.58N, 102.37W ~ 33.6378N, 102.37W

Local newspapers reported "widespread" flash flooding in the Levelland vicinity. More than one foot of water was reported flowing over parts of Farm to Market Road 2130 north of Texas Highway 114. Eight inches of water flowed over Texas Highway 114 in the city, numerous city streets also were inundated.

Afternoon thunderstorms produced locally heavy rainfall on the 12th, and capped off a three day period that saw widespread two to five inch rainfall totals over the South Plains.

Storm Data and Unusual Weather Phenomena - March 2007

<u>Location</u>	<u>Date/Time</u>	<u>Deaths & Injuries</u>	<u>Property & Crop Dmg</u>	<u>Event Type and Details</u>
Flash flooding was largely limited to urban areas, however, some damage was reported. The greatest impacts were in Lubbock County where flooding of many city streets resulted in more than twenty stalled vehicles and up to \$120,000 in damages. No injuries were reported.				
TERRY COUNTY				
1.0 N BROWNFIELD	03/21/07 19:09 CST	0	0	Hail (1.50 in)
2.0 NE MEADOW	03/21/07 19:32 CST	0	0	33.1945N, 102.28W ~ 33.3504N, 102.176W
Multiple reports of large hail were received as a severe thunderstorm tracked northeastward along U.S. Highway 62 from just north of Brownfield to near Meadow. Hail sizes ranged from quarters to half dollars. No damage was reported.				
LUBBOCK COUNTY				
7.0 SSW WOLFFORTH	03/21/07 19:40 CST	0	0	Hail (0.75 in)
	03/21/07 19:40 CST	0	0	33.4065N, 102.066W
FLOYD COUNTY				
5.0 E FLOYDADA	03/21/07 19:55 CST	0	0	Hail (1.00 in)
	03/21/07 19:55 CST	0	0	33.98N, 101.243W
Quarter size hail was reported along U.S. Highway 70/62 east of Floydada.				
Scattered thunderstorms impacted the west Texas South Plains region during the evening hours of the 21st. A few of these storms became severe and produced large hail up to the size of half dollars. No damage was reported.				
PARMER COUNTY				
1.0 S FARWELL	03/23/07 19:59 CST	0	0	Tornado (F0, L: 1.00 mi , W: 50 yd)
1.9 S FARWELL	03/23/07 20:02 CST	0	0	34.3655N, 103.03W ~ 34.3533N, 103.03W
The public reported a tornado south of Farwell. The tornado remained in open fields just east of the Texas/New Mexico border. Local officials found no damage in the area.				
BAILEY COUNTY				
15.0 W MULESHOE	03/23/07 20:12 CST	0	10K	Tornado (F0, L: 0.25 mi , W: 50 yd)
14.8 W MULESHOE	03/23/07 20:13 CST	0	0	34.22N, 102.992W ~ 34.22N, 102.989W
An apparent tornado crossed Farm to Market Road 1760, fifteen miles west of Muleshoe. Several utility lines and poles were damaged. Damage corresponds to an intense low level Doppler circulation.				
PARMER COUNTY				
LARIAT	03/23/07 20:25 CST	0	0	Hail (0.75 in)
	03/23/07 20:25 CST	0	0	34.33N, 102.92W
Skywarn spotters reported penny size hail in Lariat.				
PARMER COUNTY				
BOVINA	03/23/07 20:38 CST	0	75K	Tornado (F0, L: 1.75 mi , W: 40 yd)
1.8 N BOVINA	03/23/07 20:41 CST	0	0	34.52N, 102.9W ~ 34.5453N, 102.9W
The Bovina Police Department reported seeing a funnel cloud approach the city from the southwest. A National Weather Service survey team documented damage from a weak tornado that developed in a Bovina city park and moved northeastward through a residential area. Large tree limbs up to five inches in diameter were blown down, storage sheds were destroyed, and several homes sustained roof and window damage. On the north edge of the city, a carport was destroyed with debris wrapped around a large tree. Additionally, windows were blown out of an adjacent mobile home. Power outages were widespread across the city.				
The tornado continued to track northward where it destroyed a horse stable at a farm northeast of the city. No injuries were reported. Many residents sought shelter in basements and left trailer houses for more substantial structures. Damage estimates totaled \$75,000.				
BAILEY COUNTY				
12.0 WNW PROGRESS	03/23/07 21:25 CST	0	0	Flash Flood (due to Heavy Rain)
MULESHOE	03/23/07 23:00 CST	0	0	34.3464N, 103.014W ~ 34.22N, 102.73W

Storm Data and Unusual Weather Phenomena - March 2007

<u>Location</u>	<u>Date/Time</u>	<u>Deaths & Injuries</u>	<u>Property & Crop Dmg</u>	<u>Event Type and Details</u>
-----------------	------------------	----------------------------------	------------------------------------	-------------------------------

Numerous secondary roads were reportedly inundated by flood waters in northwestern Bailey County. By 22:50 CST, law enforcement officials reported that Farm to Market Road 1760 had been closed due to flash flooding west of U.S. Highway 84.

PARMER COUNTY

1.0 S FARWELL	03/23/07 21:25 CST	0	0	Flash Flood (due to Heavy Rain)
5.0 S FARWELL	03/23/07 23:00 CST	0	0	34.3655N, 103.03W ~ 34.3077N, 103.03W

Numerous county roads were reportedly inundated by flowing flood waters from just south of Farwell to the Parmer/Bailey County line. No damage was reported.

PARMER COUNTY

BLACK	03/23/07 21:26 CST	0	20K	Thunderstorm Wind (EG 61 kt)
	03/23/07 21:32 CST	0	0	34.68N, 102.62W

Severe thunderstorm winds resulted in damage to at least three trailer homes and other lightweight structures in Black. This consisted of minor roof damage and the removal of siding. A horse trailer was also destroyed. A National Weather Service survey team found no evidence of a tornado.

COCHRAN COUNTY

6.0 SW MORTON	03/23/07 22:18 CST	0	80K	Tornado (F0, L: 0.50 mi , W: 75 yd)
5.5 SW MORTON	03/23/07 22:19 CST	0	0	33.6587N, 102.844W ~ 33.6638N, 102.838W

A tornado was observed by the Levelland Fire Department southwest of Morton around 22:20 CST. A National Weather Service damage survey revealed that the tornado crossed Farm to Market Road 169 causing damage to the Southwest Gin. The southern end of the gin's main structure collapsed and a secondary metal structure was shifted off of its foundation. The debris was thrown north-northeastward along the tornado's path. No injuries were reported. Property damages totaled \$80,000. Event times estimated by radar.

COCHRAN COUNTY

4.0 W MORTON	03/23/07 22:22 CST	0	0.18M	Tornado (F2, L: 1.50 mi , W: 150 yd)
4.0 WNW MORTON	03/23/07 22:26 CST	0	0	33.72N, 102.84W ~ 33.7421N, 102.834W

The Levelland Fire Department reported a second tornado west-northwest of Morton shortly before 22:30 CST. A National Weather Service damage survey found evidence of a strong tornado that developed west of Morton and crossed Texas Highway 114 as it tracked north-northwestward through north-central Cochran county. The tornado impacted the Star Route Gin, which sustained severe damage including the partial collapse of the structure. Concrete anchors were pulled out of the ground and portions of the steel roof beams were heavily damaged.

The tornado continued north-northwestward across Farm to Market Road 596 where the tornado destroyed at least three irrigation systems and snapped more than one dozen utility poles.

Damage at the Star Route Gin and the snapped utility poles support an EF-2 rating. No injuries were reported and damage estimates totaled \$175,000.

BAILEY COUNTY

2.0 SW ENOCHS	03/23/07 22:40 CST	0	25K	Thunderstorm Wind (EG 65 kt)
1.0 NE ENOCHS	03/23/07 22:45 CST	0	0	33.8496N, 102.795W ~ 33.8802N, 102.758W

Multiple structures in Enochs sustained damage as a line of severe thunderstorms characterized by a "bow-shaped" radar signature impacted the community. At least three structures with tin roofs sustained heavy wind damage. Road signs were blown down and a number of utility lines were downed. No injuries were reported. Damage estimates totalled \$25,000.

LAMB COUNTY

LITTLEFIELD	03/23/07 23:30 CST	0	20K	Thunderstorm Wind (MG 52 kt)
6.0 S OLTON	03/23/07 23:40 CST	0	0	33.92N, 102.32W ~ 34.0933N, 102.13W

Law enforcement officials reported that thunderstorm winds downed power lines in the Earth and Littlefield vicinities. The Texas Tech University West Texas Mesonet site south of Olton additionally recorded a severe thunderstorm wind gust of 60 mph as the storms quickly moved northeastward through northeastern Lamb County.

An active round of severe thunderstorms, including damaging tornadoes, affected a large portion of the Southern Plains of the U.S. during the afternoon and evening hours of the 23rd. Supercell thunderstorms with a history of producing deadly tornadoes propagated northeastward from the plains of eastern New Mexico into the extreme southwestern Texas Panhandle and the western South Plains of west Texas during the evening hours. As these storms moved eastward across the state line, convective modes transitioned from classic supercells toward mini-bow segments and line-echo-waves. Despite the linear nature of the storms, extreme wind shear resulted in at least five tornadoes across the western South Plains region.

Tornadoes were initially observed in the extreme southwestern Texas Panhandle and the northwestern South Plains around 20:00 CST. The hardest hit area was the Bovina vicinity in Parmer County, where a weak tornado struck the city resulting in minor structural

Storm Data and Unusual Weather Phenomena - March 2007

<u>Location</u>	<u>Date/Time</u>	<u>Deaths & Injuries</u>	<u>Property & Crop Dmg</u>	<u>Event Type and Details</u>
damage.				
Severe storms producing widespread wind damage and at least one strong tornado then impacted portions of Cochran, southern Bailey, and Lamb Counties during the late evening hours. Two cotton gins in Cochran County were severely damaged, and power outages were widespread.				
No injuries were reported during the severe weather outbreak on the 23rd, but property damage estimates totaled more than \$400,000.				
LUBBOCK COUNTY				
6.0 SSE LUBBOCK	03/25/07 11:32 CST	0	10K	Tornado (F0, L: 2.00 mi , W: 25 yd)
4.0 SSE LUBBOCK	03/25/07 11:44 CST	0	0	33.4999N, 101.81W ~ 33.5266N, 101.823W
Multiple reports were received of a highly visible tornado that developed just southeast of Lubbock shortly before midday on the 25th. This tornado remained largely over open country on the outskirts of the city for more than ten minutes, but eventually did result in downed power lines and tree limbs near the intersection of 98th Street and Martin Luther King Boulevard. No injuries were reported.				
LUBBOCK COUNTY				
7.0 S LUBBOCK	03/25/07 11:49 CST	0	0	Tornado (F0, L: 2.00 mi , W: 20 yd)
6.0 SSW LUBBOCK	03/25/07 12:05 CST	0	0	33.4788N, 101.85W ~ 33.4999N, 101.89W
A second landspout tornado quickly developed south of Lubbock shortly after the dissipation of the previously listed event. This tornado persisted over open country immediately west of U.S. Highway 87 south of the city for more than fifteen minutes before it dissipated. No damage was reported.				
LUBBOCK COUNTY				
5.0 S LUBBOCK	03/25/07 11:50 CST	0	10K	Thunderstorm Wind (EG 61 kt)
	03/25/07 11:50 CST	0	0	33.5077N, 101.85W
A wet downburst occurred over far south Lubbock that resulted in damage to lightweight structures, trees, and minor roof damage. A storage shed was blown across 98th Street near Indiana Avenue. Numerous tree limbs were downed and shingles were blown off roofs between Indiana Avenue and University Avenue. Several utility lines were blown down near the intersection of 82nd Street and University Avenue.				
LUBBOCK COUNTY				
2.0 S NEW DEAL	03/25/07 15:45 CST	0	10K	Heavy Rain
	03/25/07 16:15 CST	0	0	33.7011N, 101.83W
Heavy rainfall and wet driving conditions contributed to a vehicle accident along Interstate 27 south of New Deal. Three children that were passengers in the vehicle were transported to local hospitals with injuries.				
SWISHER COUNTY				
12.0 W TULIA	03/25/07 15:55 CST	0	0	Tornado (F0, L: 0.50 mi , W: 25 yd)
11.5 W TULIA	03/25/07 16:08 CST	0	0	34.53N, 101.981W ~ 34.53N, 101.972W
Law enforcement officials reported a landspout tornado beneath a rapidly developing thunderstorm near the Castro/Swisher County line. The tornado remained in open fields near Texas Highway 86 and no damage was reported.				
CASTRO COUNTY				
7.0 W HART	03/25/07 16:00 CST	0	0	Tornado (F0, L: 1.25 mi , W: 20 yd)
7.0 WNW HART	03/25/07 16:15 CST	0	0	34.38N, 102.243W ~ 34.4187N, 102.233W
A highly visible and photogenic landspout tornado was observed northwest of Hart around 16:00 CST. The tornado was visible from distances up to thirty miles away, and photographs taken as far away as Plainview (Hale County) were received. The tornado was accompanied by at least one additional funnel, which also may have briefly become a tornado. No damage was reported as the storms remained over open farm land near Texas Highway 194.				
TERRY COUNTY				
3.0 W BROWNFIELD	03/25/07 18:34 CST	0	20K	Flash Flood (due to Heavy Rain)
12.0 E BROWNFIELD	03/25/07 20:00 CST	0	0	33.18N, 102.332W ~ 33.18N, 102.073W
Local law enforcement officials reported that most city streets in Brownfield were inundated with flood waters after 18:30 CST. Three vehicles became stranded in high water and the occupants were rescued. No injuries were reported. Additionally, high water flowed over portions of U.S. Highway 380 east of Brownfield to the Lynn County line by 19:30 CST.				
LUBBOCK COUNTY				
1.0 N LUBBOCK	03/25/07 18:35 CST	0	50K	Flash Flood (due to Heavy Rain)
14.0 S LUBBOCK	03/25/07 22:00 CST	0	0	33.5945N, 101.85W ~ 33.3776N, 101.85W

Storm Data and Unusual Weather Phenomena - March 2007

<u>Location</u>	<u>Date/Time</u>	<u>Deaths & Injuries</u>	<u>Property & Crop Dmg</u>	<u>Event Type and Details</u>
Flash flooding became widespread over the eastern half of Lubbock county including the city of Lubbock during the evening hours of the 25th. Heavy rainfall rates in excess of one inch per hour caused flash flooding in many city streets including the intersection of Memphis Street and 93rd Street. A vehicle was stalled along 3rd Street where high water threatened a number of residences. Flash flooding also resulted in the closure of U.S. Highway 87 south of Lubbock where several vehicle were inundated with flood waters. The Lubbock Fire Department conducted a high water rescue at the intersection of 82nd Street and U.S. Highway 87. No serious injuries were reported.				
CROSBY COUNTY				
LORENZO	03/25/07 18:40 CST	0	15K	Flash Flood (due to Heavy Rain)
CROSBYTON	03/25/07 22:30 CST	0	0	33.67N, 101.53W ~ 33.67N, 101.25W
Numerous reports of flash flooding were reported along U.S. Highway 62/82 between Lorenzo and Crosbyton. Flowing flood waters along that highway contributed to a vehicle accident that resulted in two injuries.				
LYNN COUNTY				
16.0 W TAHOKA	03/25/07 19:23 CST	0	30K	Flash Flood (due to Heavy Rain)
3.0 N TAHOKA	03/25/07 23:00 CST	0	0	33.18N, 102.056W ~ 33.2234N, 101.78W
Flash flooding resulted in high water flowing over U.S. Highway 380 west of Tahoka and U.S. Highway 87 north of Tahoka. Local law enforcement officials reported that at least four vehicles were stalled in the high water. No injuries were reported.				
A pre-existing low level boundary, or weak front, was oriented from southwest to northeast across the west Texas South Plains region during the midday hours of the 25th. As thunderstorms developed in a very moist atmosphere, this feature became a focus for the development of at least four landspout tornadoes. Tornadoes initially developed just southeast of Lubbock during the Sunday lunch hour. These tornadoes were observed by many Lubbock residents, but only resulted in very minor damage to trees and utility lines.				
Thunderstorm outflow forced the weak frontal boundary to move northwestward across the central South Plains during the afternoon hours, where it again provided for the development of tornadoes in Swisher and Castro Counties.				
Thunderstorms quickly evolved to pose a threat of heavy rainfall and flash flooding by the early evening hours. Flash flooding became widespread over a large section of the central South Plains, with numerous roadways and highways closed due to flooding. At least six automobile mishaps were attributed to the flooding.				
FLOYD COUNTY				
12.0 NNW LOCKNEY	03/28/07 16:07 CST	0	0	Hail (1.25 in)
	03/28/07 16:07 CST	0	0	34.2803N, 101.51W
Storm chasers reported half dollar size hail in rural areas of northwestern Floyd County.				
SWISHER COUNTY				
15.8 ESE KRESS	03/28/07 16:20 CST	0	0	Tornado (F0, L: 1.00 mi , W: 75 yd)
16.0 E KRESS	03/28/07 16:22 CST	0	0	34.2829N, 101.495W ~ 34.37N, 101.47W
Skywarn spotters and the public observed a tornado southeast of Claytonville. The tornado developed beneath a rapidly developing supercell storm, and remained over open fields in extreme southeastern Swisher County before moving northeastward into Briscoe County. No damage was reported.				
BRISCOE COUNTY				
13.0 SW SILVERTON	03/28/07 16:22 CST	0	0	Tornado (F0, L: 1.50 mi , W: 75 yd)
11.5 SW SILVERTON	03/28/07 16:25 CST	0	0	34.3371N, 101.461W ~ 34.3524N, 101.443W
The tornado that developed in extreme southeastern Swisher County continued to move northeastward into Briscoe County. The tornado remained in open country for several minutes before it dissipated. No damage was reported.				
BRISCOE COUNTY				
10.0 SW SILVERTON	03/28/07 16:28 CST	0	0	Tornado (F0, L: 2.00 mi , W: 75 yd)
8.0 SW SILVERTON	03/28/07 16:33 CST	0	0	34.3678N, 101.424W ~ 34.3882N, 101.399W
Storm spotters continued to track a tornadic storm across western Briscoe County, where they observed a second tornado in rural areas southwest of Silverton. This tornado remained in open fields for approximately five minutes. No damage was reported.				
BRISCOE COUNTY				
1.0 S SILVERTON	03/28/07 16:43 CST	0	0	Hail (0.75 in)
	03/28/07 16:43 CST	0	0	34.4555N, 101.3W

Storm Data and Unusual Weather Phenomena - March 2007

<u>Location</u>	<u>Date/Time</u>	<u>Deaths & Injuries</u>	<u>Property & Crop Dmg</u>	<u>Event Type and Details</u>
-----------------	------------------	----------------------------------	------------------------------------	-------------------------------

Storm chasers reported penny size hail just south of Silverton. Meanwhile, the chasers additionally observed a developing tornado toward the west.

BRISCOE COUNTY

3.5 WSW SILVERTON	03/28/07 16:43 CST	0	35K	Tornado (F1, L: 6.75 mi , W: 100 yd)
4.5 N SILVERTON	03/28/07 17:00 CST	0	0	34.4506N, 101.357W ~ 34.5351N, 101.3W

Multiple observers photographed a tornado that developed just southwest of Silverton at 16:43 CST. This tornado crossed Texas Highway 86 just west of Silverton. Local law enforcement officials reported that seven utility poles were damaged along with lightweight buildings as the tornado impacted the outskirts of the city. Storm chasers continued to track the tornado until it roped out north of Silverton over open terrain around 17:00 CST.

A supercell thunderstorm developed along the dryline over southeastern Swisher County, and quickly became tornadic. This storm produced a family of five tornadoes before it moved into Donley County of the Texas Panhandle. The most damaging tornado passed immediately west of Silverton (Briscoe County) shortly before 16:45 CST, where more than a half dozen utility poles and a few light structures were damaged.

FLOYD COUNTY

SOUTH PLAINS	03/28/07 16:45 CST	0	0	Hail (1.75 in)
	03/28/07 16:50 CST	0	0	34.22N, 101.32W

A storm chaser following the storm reported that golfball size hail was on the ground in South Plains. Event time is estimated based on radar.

A second supercell thunderstorm initiated along the dryline over eastern Hale and western Floyd County. This storm produced large hail and a family of tornadoes as it tracked northeastward. The most significant tornado to impact the South Plains region on the 28th developed as this storm tracked over the Caprock Canyons State Park area north of Quitaque (Briscoe County). This tornado damaged at least three structures as it cut a nearly twenty mile path across eastern Briscoe County, northwestern Hall County, and southern Donley County.

BRISCOE COUNTY

6.5 NE SILVERTON	03/28/07 17:03 CST	0	0	Tornado (F0, L: 4.75 mi , W: 220 yd)
11.3 NNE SILVERTON	03/28/07 17:14 CST	0	0	34.5364N, 101.219W ~ 34.6203N, 101.224W

The supercell storm continued to produce tornadoes in a cyclic fashion over the rugged terrain northeast of Silverton. Storm chasers observed a large tornado that developed shortly after 17:00 CST and persisted over open country for more than ten minutes. The tornado was described to visually appear as a "large cone" with an estimated diameter of one eighth of a mile. No damage was reported.

A supercell thunderstorm developed along the dryline over southeastern Swisher County, and quickly became tornadic. This storm produced a family of five tornadoes before it moved into Donley County of the Texas Panhandle. The most damaging tornado passed immediately west of Silverton (Briscoe County) shortly before 16:45 CST, where more than a half dozen utility poles and a few light structures were damaged.

FLOYD COUNTY

2.0 N SOUTH PLAINS	03/28/07 17:03 CST	0	10K	Tornado (F0, L: 0.50 mi , W: 50 yd)
2.5 NNE SOUTH PLAINS	03/28/07 17:04 CST	0	0	34.2489N, 101.32W ~ 34.2534N, 101.303W

Area residents and an off-duty National Weather Service employee observed a tornado that intermittently touched down just north of South Plains. The tornado caused light roof damage to an abandoned farm house, but otherwise remained over open farm land.

A second supercell thunderstorm initiated along the dryline over eastern Hale and western Floyd County. This storm produced large hail and a family of tornadoes as it tracked northeastward. The most significant tornado to impact the South Plains region on the 28th developed as this storm tracked over the Caprock Canyons State Park area north of Quitaque (Briscoe County). This tornado damaged at least three structures as it cut a nearly twenty mile path across eastern Briscoe County, northwestern Hall County, and southern Donley County.

BRISCOE COUNTY

14.6 NNE SILVERTON	03/28/07 17:10 CST	0	0	Tornado (F0, L: 1.75 mi , W: 100 yd)
16.3 NNE SILVERTON	03/28/07 17:16 CST	0	0	34.665N, 101.202W ~ 34.687N, 101.191W

A fifth tornado developed in a cyclic fashion around 17:10 CST just above the Caprock escarpment in northeastern Briscoe County. This tornado was observed by storm chasers, and was described as a "rope" tornado to the northeast of the larger cone tornado which was still in progress. This tornado additionally remained in open terrain and resulted in no damage.

A supercell thunderstorm developed along the dryline over southeastern Swisher County, and quickly became tornadic. This storm produced a family of five tornadoes before it moved into Donley County of the Texas Panhandle. The most damaging tornado passed immediately west of Silverton (Briscoe County) shortly before 16:45 CST, where more than a half dozen utility poles and a few light structures were damaged.

Storm Data and Unusual Weather Phenomena - March 2007

<u>Location</u>	<u>Date/Time</u>	<u>Deaths & Injuries</u>	<u>Property & Crop Dmg</u>	<u>Event Type and Details</u>
BRISCOE COUNTY				
9.3 N QUITAQUE	03/28/07 17:35 CST	0	0.13M	Tornado (F2, L: 12.00 mi , W: 300 yd)
20.0 NNE QUITAQUE	03/28/07 17:51 CST	0	0	34.5037N, 101.05W ~ 34.6371N, 100.916W
<p>Many storm chasers observed a large multiple vortex tornado that developed north of Quitaque shortly after 17:30 CST. The tornado initially touched down immediately north of Texas Highway 256, and tracked northeastward across the Prairie Dog Town Fork of the Red River. The tornado cut a twelve mile long path through the mesquite thickets of eastern Briscoe County, however, it continued across northwestern Hall County and into extreme southern Donley County before ending at 17:09 CST. The total path length was nearly twenty miles in length.</p> <p>Despite the rural nature of the area, a few structures sustained significant damage. A trailer house was destroyed about five miles south of the river. The trailer was vacant when the tornado struck, but frequently served to house deer hunters. A single-story residence also was impacted by the tornado near Antelope Flat. The roof was totally blown off of the home. A forty by twenty-four foot barn used to store all-terrain vehicles also was destroyed at the homestead. At least two wind mills were additionally destroyed. The destruction of the trailer house, the complete loss of the roof to the home, and the destruction of the large barn all support an EF2 rating. No injuries were reported.</p>				
HALL COUNTY				
5.6 SW BRICE	03/28/07 17:51 CST	0	50K	Tornado (F2, L: 4.50 mi , W: 300 yd)
3.0 NW BRICE	03/28/07 18:05 CST	0	0	34.6428N, 100.95W ~ 34.7307N, 100.917W
<p>The long-lived tornado that impacted eastern Briscoe County moved through rural areas of northwestern Hall County, just west and northwest of Brice. Although the tornado was large and had a history of causing significant damage, no man-made structures were affected in Hall County. The tornado was roping out when it crossed the Hall and Donley County line west of Texas Highway 70 at 17:05 CST.</p> <p>A second supercell thunderstorm initiated along the dryline over eastern Hale and western Floyd County. This storm produced large hail and a family of tornadoes as it tracked northeastward. The most significant tornado to impact the South Plains region on the 28th developed as this storm tracked over the Caprock Canyons State Park area north of Quitaque (Briscoe County). This tornado damaged at least three structures as it cut a nearly twenty mile path across eastern Briscoe County, northwestern Hall County, and southern Donley County.</p>				
COCHRAN COUNTY				
2.0 N BLEDSOE	03/28/07 19:50 CST	0	0	Hail (1.00 in)
	03/28/07 20:00 CST	0	0	33.6489N, 103.02W
<p>The public reported quarter size hail just north of Bledsoe. Event duration was ten minutes.</p>				
COCHRAN COUNTY				
WHITEFACE	03/28/07 19:59 CST	0	0	Hail (1.75 in)
	03/28/07 19:59 CST	0	0	33.6N, 102.62W
<p>The Cochran County Sheriff's Office reported golfball size hail in Whiteface shortly before 20:00 CST. No damage was reported.</p>				
BAILEY COUNTY				
1.0 S MULESHOE	03/28/07 20:12 CST	0	0	Hail (1.00 in)
	03/28/07 20:30 CST	0	0	34.2055N, 102.73W
<p>Multiple reports of penny to quarter size hail just south of Muleshoe on Texas Highway 214. Hail accumulated on the driving surface.</p>				
YOAKUM COUNTY				
12.0 W DENVER CITY	03/28/07 20:20 CST	0	0	Hail (1.50 in)
	03/28/07 20:20 CST	0	0	32.97N, 103.057W
<p>The public and local law enforcement officials reported ping pong ball size hail along Texas Highway 83 just east of the Texas and New Mexico state line. The hail was accompanied by damaging thunderstorm winds.</p>				
CASTRO COUNTY				
6.0 S SUMMERFIELD	03/28/07 20:25 CST	0	0	Hail (0.88 in)
	03/28/07 20:25 CST	0	0	34.6433N, 102.5W
<p>A Texas Department of Public Safety trooper reported large hail up to the size of nickels on the Parmer and Castro County line just south of U.S. Highway 60 near Summerfield.</p>				
PARMER COUNTY				
5.0 E BLACK	03/28/07 20:25 CST	0	0	Hail (0.88 in)
	03/28/07 20:25 CST	0	0	34.68N, 102.532W

Storm Data and Unusual Weather Phenomena - March 2007

<u>Location</u>	<u>Date/Time</u>	<u>Deaths & Injuries</u>	<u>Property & Crop Dmg</u>	<u>Event Type and Details</u>
A Texas Department of Public Safety trooper reported large hail up to the size of nickels on the Parmer and Castro County line just south of U.S. Highway 60 near Summerfield.				
YOAKUM COUNTY				
12.0 W DENVER CITY	03/28/07 20:25 CST	0	25K	Thunderstorm Wind (EG 56 kt)
	03/28/07 20:25 CST	0	0	32.97N, 103.057W
A local newspaper reported that an irrigation system was destroyed by severe thunderstorm winds along Texas Highway 83 west of Denver City. The damaging winds also were accompanied by hail.				
CASTRO COUNTY				
3.0 N HART	03/28/07 21:15 CST	0	0	Thunderstorm Wind (MG 62 kt)
	03/28/07 21:15 CST	0	0	34.4234N, 102.12W
The Texas Tech University West Texas Mesonet recorded a thunderstorm wind gust to 71 miles per hour near Hart. No damage was reported.				
TERRY COUNTY				
3.0 N TOKIO	03/28/07 21:22 CST	0	0	Hail (1.75 in)
BROWNFIELD	03/28/07 22:00 CST	0	0	33.2234N, 102.58W ~ 33.18N, 102.28W
A line of severe thunderstorms produced a swath of large hail that ranged from penny size to golfball size. Golfball size hail was initially reported near Tokio at 21:22 CST. Golfball size hail also was reported near Gomez at 21:55 CST. Emergency management officials reported that hail covered a secondary roadway just north of U.S. Highway 380 between Tokio and Gomez, but no damage was reported. As the line of storms continued eastward, penny size hail was reported in Brownfield by 22:00 CST				
HOCKLEY COUNTY				
LEVELLAND	03/28/07 21:34 CST	0	0	Hail (0.75 in)
6.0 NW ROPESVILLE	03/28/07 21:59 CST	0	0	33.58N, 102.37W ~ 33.4813N, 102.224W
A line of severe thunderstorms produced penny size hail from near Levelland to northwest of Ropesville.				
HOCKLEY COUNTY				
ANTON	03/28/07 21:45 CST	0	0	Thunderstorm Wind (EG 52 kt)
	03/28/07 21:45 CST	0	0	33.82N, 102.17W
Public reports indicated that severe thunderstorm winds downed large tree limbs in Anton and restricted visibilities in blowing dust.				
LUBBOCK COUNTY				
WOLFFORTH	03/28/07 22:12 CST	0	0	Hail (1.00 in)
4.0 E REESE VLG	03/28/07 22:35 CST	0	0	33.5N, 102.02W ~ 33.6N, 101.951W
A line of severe thunderstorms produced large hail across western and central Lubbock County. Initial reports indicated quarter size hail in Wolfforth at 22:12 CST. Hail up to the size of quarters was reported in west Lubbock.				
SWISHER COUNTY				
KRESS	03/28/07 22:15 CST	0	0	Thunderstorm Wind (EG 52 kt)
	03/28/07 22:15 CST	0	0	34.37N, 101.75W
Law enforcement officials reported that severe thunderstorm winds blew down two utility poles in the Kress vicinity.				
LYNN COUNTY				
7.0 W TAHOKA	03/28/07 23:03 CST	0	0	Hail (0.88 in)
	03/28/07 23:06 CST	0	0	33.18N, 101.901W
Local law enforcement reported nickel size hail on U.S. Highway 380 west of Tahoka.				
CROSBY COUNTY				
LORENZO	03/28/07 23:14 CST	0	0	Flash Flood (due to Heavy Rain)
RALLS	03/29/07 00:30 CST	0	0	33.67N, 101.53W ~ 33.68N, 101.38W
Multiple reports indicated that flash flooding resulted in flood waters in city streets in Ralls and Lorenzo.				
CROSBY COUNTY				

Storm Data and Unusual Weather Phenomena - March 2007

<u>Location</u>	<u>Date/Time</u>	<u>Deaths & Injuries</u>	<u>Property & Crop Dmg</u>	<u>Event Type and Details</u>
CONE	03/28/07 23:20 CST	0	0	Hail (0.75 in)
	03/28/07 23:20 CST	0	0	33.78N, 101.38W

Trained storm spotters reported penny size hail.

FLOYD COUNTY

FLOYDADA	03/28/07 23:20 CST	0	10K	Lightning
	03/28/07 23:20 CST	0	0	33.98N, 101.33W

Lightning struck a radio antenna near Floydada. Damage resulting from the lightning strike left local law enforcement without radio communication through the night.

GARZA COUNTY

POST	03/28/07 23:30 CST	0	0	Thunderstorm Wind (MG 54 kt)
9.0 ENE JUSTICEBURG	03/29/07 00:00 CST	0	0	33.18N, 101.38W ~ 33.0798N, 101.057W

The Texas Tech University West Texas Mesonet station near Post measured a 60 mph wind gust as the line of severe thunderstorms moved eastward across central Garza County at 23:30 CST. Severe winds continued to accompany the squall line as it progressed eastward over eastern Garza County, and a wind gust of 62 mph was additionally measured by Texas Tech University West Texas Mesonet site near Lake Alan Henry at midnight CST. No damage was reported.

The severe weather event that struck the Great Plains on the 28th ranks as the most significant tornado outbreak recorded in the month of March. A pair of tornadic supercells initially erupted along the dryline over the central South Plains during the late afternoon hours, and tracked northeastward across the extreme southeastern Panhandle through the early evening. These two storms produced a total of seven tornadoes in the South Plains region. The hardest hit areas were near Silverton and Antelope Flat in Briscoe County. No injuries were reported.

By late evening, the retreating dryline merged with an advancing Pacific front. This initiated a line of severe storms over the western South Plains that progressed eastward over the region through the early morning hours of the 29th. These storms resulted in widespread reports of large hail up to the size of golfballs and damaging winds.